



24577-cyb.ST25
SEQUENCE LISTING

<110> Maddon, Paul J.

<120> DERIVATIVES OF SOLUBLE T-4

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<140> 09/891,119

<141> 2001-06-25

<160> 22

<170> PatentIn version 3.1

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	Met Asn Arg Gly Val Pro Phe Arg His Leu Leu Leu	
	1 5 10	
gtg ctg caa ctg gcg ctc ctc cca gca gcc act cag gga aag aaa gtg	159	
Val Leu Gln Leu Ala Leu Leu Pro Ala Ala Thr Gln Gly Lys Lys Val		
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gtg ctg ggc aaa aaa ggg gat aca gtg gaa ctg acc tgt aca gct tcc	207	
Val Leu Gly Lys Lys Gly Asp Thr Val Glu Leu Thr Cys Thr Ala Ser		
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cag aag aag agc ata caa ttc cac tgg aaa aac tcc aac cag ata aag	255	
Gln Lys Lys Ser Ile Gln Phe His Trp Lys Asn Ser Asn Gln Ile Lys		
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att ctg gga aat cag ggc tcc tcc tta act aaa ggt cca tcc aag ctg	303	
Ile Leu Gly Asn Gln Gly Ser Ser Leu Thr Lys Gly Pro Ser Lys Leu		
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aat gat cgc gct gac tca aga aga agc ctt tgg gac caa gga aac ttc	351	
Asn Asp Arg Ala Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly Asn Phe		
	80 85 90	
ccc ctg atc atc agg aat ctt aag ata gaa gac tca gat act tac atc	399	
Pro Leu Ile Ile Arg Asn Leu Lys Ile Glu Asp Ser Asp Thr Tyr Ile		
	95 100 105	
tgt gaa gtg gag gac cag aag gag gag gtg caa ttg cta gtg ttc gga	447	
Cys Glu Val Glu Asp Gln Lys Glu Glu Val Gln Leu Leu Val Phe Gly		
	110 115 120	
ttg act gcc aac tct gac acc cac ctg ctt cag ggg cag agc ctg acc	495	
Leu Thr Ala Asn Ser Asp Thr His Leu Leu Gln Gly Gln Ser Leu Thr		
	125 130 135 140	
ctg acc ttg gag agc ccc cct ggt agt agc ccc tca gtg caa tgt agg	543	
Leu Thr Leu Glu Ser Pro Pro Gly Ser Ser Pro Ser Val Gln Cys Arg		
	145 150 155	
agt cca agg ggt aaa aac ata cag ggg ggg aag acc ctc tcc gtg tct	591	
Ser Pro Arg Gly Lys Asn Ile Gln Gly Lys Thr Leu Ser Val Ser		
	160 165 170	
cag ctg gag ctc cag gat agt ggc acc tgg aca tgc act gtc ttg cag	639	
Gln Leu Glu Leu Gln Asp Ser Gly Thr Trp Thr Cys Thr Val Leu Gln		
	175 180 185	
aac cag aag aag gtg gag ttc aaa ata gac atc gtg gtg cta gct ttc	687	
Asn Gln Lys Lys Val Glu Phe Lys Ile Asp Ile Val Val Leu Ala Phe		
	190 195 200	
cag aag gcc tcc agc ata gtc tat aag aaa gag ggg gaa cag gtg gac	735	
Gln Lys Ala Ser Ser Ile Val Tyr Lys Lys Glu Gly Glu Gln Val Asp		
	205 210 215 220	
ttc tcc ttc cca ctc gcc ttt aca gtt gaa aag ctg acg ggc agt ggc	783	
Phe Ser Phe Pro Leu Ala Phe Thr Val Glu Lys Leu Thr Gly Ser Gly		
	225 230 235	
gag ctg tgg tgg cag gcg gag agg gct tcc tcc tcc aag tct tgg atc	831	
Glu Leu Trp Trp Gln Ala Glu Arg Ala Ser Ser Ser Lys Ser Trp Ile		
	240 245 250	

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acc ttt gac ctg aag aac aag gaa gtg tct gta aaa cgg gtt acc cag Thr Phe Asp Leu Lys Asn Lys Glu Val Ser Val Lys Arg Val Thr Gln 255 260 265	879
gac cct aag ctc cag atg ggc aag aag ctc ccg ctc cac ctc acc ctg Asp Pro Lys Leu Gln Met Gly Lys Lys Leu Pro Leu His Leu Thr Leu 270 275 280	927
ccc cag gcc ttg cct cag tat gct ggc tct gga aac ctc acc ctg gcc Pro Gln Ala Leu Pro Gln Tyr Ala Gly Ser Gly Asn Leu Thr Leu Ala 285 290 295 300	975
ctt gaa gcg aaa aca gga aag ttg cat cag gaa gtg aac ctg gtg gtg Leu Glu Ala Lys Thr Gly Lys Leu His Gln Glu Val Asn Leu Val Val 305 310 315	1023
atg aga gcc act cag ctc cag aaa aat ttg acc tgt gag gtg tgg gga Met Arg Ala Thr Gln Leu Gln Lys Asn Leu Thr Cys Glu Val Trp Gly 320 325 330	1071
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gca aag gtc tcg aag cgg gag aag gcg gtg tgg gtg ctg aac cct gag Ala Lys Val Ser Lys Arg Glu Lys Ala Val Trp Val Leu Asn Pro Glu 350 355 360	1167
gcg ggg atg tgg cag tgt ctg ctg agt gac tcg gga cag gtc ctg ctg Ala Gly Met Trp Gln Cys Leu Leu Ser Asp Ser Gly Gln Val Leu Leu 365 370 375 380	1215
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 Gln Gly Ser Ser Leu Thr Lys Gly Pro Ser Lys Leu Asn Asp Arg Ala
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 Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly Asn Phe Pro Leu Ile Ile
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 Arg Asn Leu Lys Ile Glu Asp Ser Asp Thr Tyr Ile Cys Glu Val Glu
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 Asp Gln Lys Glu Glu Val Gln Leu Leu Val Phe Gly Leu Thr Ala Asn
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 Ser Asp Thr His Leu Leu Gln Gly Gln Ser Leu Thr Leu Thr Leu Glu
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 Ser Pro Pro Gly Ser Ser Pro Ser Val Gln Cys Arg Ser Pro Arg Gly
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 Lys Asn Ile Gln Gly Gly Lys Thr Leu Ser Val Ser Gln Leu Glu Leu
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 Val Glu Phe Lys Ile Asp Ile Val Val Leu Ala Phe Gln Lys Ala Ser
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 Gln Ala Glu Arg Ala Ser Ser Ser Lys Ser Trp Ile Thr Phe Asp Leu
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 Lys Asn Lys Glu Val Ser Val Lys Arg Val Thr Gln Asp Pro Lys Leu
 260 265 270
 Gln Met Gly Lys Lys Leu Pro Leu His Leu Thr Leu Pro Gln Ala Leu
 275 280 285

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Pro Gln Tyr Ala Gly Ser Gly Asn Leu Thr Leu Ala Leu Glu Ala Lys
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Thr Gly Lys Leu His Gln Glu Val Asn Leu Val Val Met Arg Ala Thr
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Gln Leu Gln Lys Asn Leu Thr Cys Glu Val Trp Gly Pro Thr Ser Pro
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Lys Leu Met Leu Ser Leu Lys Leu Glu Asn Lys Glu Ala Lys Val Ser
340 345 350

Lys Arg Glu Lys Ala Val Trp Val Leu Asn Pro Glu Ala Gly Met Trp
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Gln Cys Leu Leu Ser Asp Ser Gly Gln Val Leu Leu Glu Ser Asn Ile
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 35 40 45

Ile Gln Phe His Trp Lys Asn Ser Asn Gln Ile Lys Ile Leu Gly Asn
 50 55 60

Gln Gly Ser Phe Leu Thr Lys Gly Pro Ser Lys Leu Asn Asp Arg Ala
 65 70 75 80

Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly Asn Phe Pro Leu Ile Ile
 85 90 95

Lys Asn Leu Lys Ile Glu Asp Ser Asp Thr Tyr Ile Cys Glu Val Glu
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Asp Gln Lys Glu Glu Val Gln Leu Leu Val Phe Gly Leu Thr Ala Asn
 115 120 125

Ser Asp Thr His Leu Leu Gln Gly Gln Ser Leu Thr Leu Thr Leu Glu
 130 135 140

Ser Pro Pro Gly Ser Ser Pro Ser Val Gln Cys Arg Ser Pro Arg Gly
 145 150 155 160

Lys Asn Ile Gln Gly Gly Lys Thr Leu Ser Val Ser Gln Leu Glu Leu
 165 170 175

Gln Asp Ser Gly Thr Trp Thr Cys Thr Val Leu Gln Asn Gln Lys Lys
 180 185 190

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val Glu Phe Lys Ile Asp Ile val val Leu Ala Phe Gln Lys Ala Ser
 195 200 205

Ser Ile val Tyr Lys Lys Glu Gly Glu Gln val Glu Phe Ser Phe Pro
 210 215 220

Leu Ala Phe Thr val Glu Lys Leu Thr Gly Ser Gly Glu Leu Trp Trp
 225 230 235 240

Gln Ala Glu Arg Ala Ser Ser Ser Lys Ser Trp Ile Thr Phe Asp Leu
 245 250 255

Lys Asn Lys Glu val Ser val Lys Arg val Thr Gln Asp Pro Lys Leu
 260 265 270

Gln Met Gly Lys Lys Leu Pro Leu His Leu Thr Leu Pro Gln Ala Leu
 275 280 285

Pro Gln Tyr Ala Gly Ser Gly Asn Leu Thr Leu Ala Leu Glu Ala Lys
 290 295 300

Thr Gly Lys Leu His Gln Glu val Asn Leu val val Met Arg Ala Thr
 305 310 315 320

Gln Leu Gln Lys Asn Leu Thr Cys Glu val Trp Gly Pro Thr Ser Pro
 325 330 335

Lys Leu Met Leu Ser Leu Lys Leu Glu Asn Lys Glu Ala Lys val Ser
 340 345 350

Lys Arg Glu Lys Ala val Trp val Leu Asn Pro Glu Ala Gly Met Trp
 355 360 365

Gln Cys Leu Leu Ser Asp Ser Gly Gln val Leu Leu Glu Ser Asn Ile
 370 375 380

Lys val Leu Pro Thr Trp Ser Thr Pro val Gln Pro Met Ala Leu Ile
 385 390 395 400

val Leu Gly Gly val Ala Gly Leu Leu Leu Phe Ile Gly Leu Gly Ile
 405 410 415

Phe Phe Cys val Arg Cys Arg His Arg Arg Arg Gln Ala Glu Arg Met
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Ser Asn Gln Ile Lys Ile Leu Gly Asn Gln Gly Ser Phe Leu Thr Lys
35 40 45

Gly Pro Ser Lys Leu Asn Asp Arg Ala Asp Ser Arg Arg Ser Leu Trp
50 55 60

Asp Gln Gly Asn Phe Pro Leu Ile Ile Lys Asn Leu Lys Ile Glu Asp
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Ser Asp Thr Tyr Ile Cys Glu Val Glu Asp Gln Lys Glu Glu
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Asp Ile Val Thr Met Thr Cys Gln Ala Ser Gln Gly Thr Ser Ile Asn
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35 40 45

Tyr Gly Ala Ser Ile Leu Glu Asp Gly Val Pro Ser Arg Phe Ser Gly
 50 55 60

Ser Arg Tyr Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Asp
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Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala Ala Ser Pro Thr Phe
 35 40 45

Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu Asp
 50 55 60

Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu Thr
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Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr Tyr Phe Cys Ser Ala
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Leu Ser Asn Ser Ile Met
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Gln Glu Val Thr Leu Arg Cys Lys Pro Ile Ser Gly His Asn Ser Leu
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Phe Trp Tyr Arg Gln Thr Met Met Arg Gly Leu Glu Leu Leu Ile Tyr
35 40 45

Phe Asn Asn Asn Val Pro Ile Asp Asp Ser Gly Met Pro Glu Asp Arg
50 55 60

Phe Ser Ala Lys Met Pro Asn Ala Ser Phe Ser Thr Leu Lys Ile Gln
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Pro Ser Glu Pro Arg Asp Ser Ala Val Tyr Phe Cys Ala Ser Ser Phe
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Ser Thr Cys Ser Ala Asn
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Leu Phe Trp Tyr Lys Gln Pro Pro Ser Gly Glu Leu Val Phe Leu Ile
 35 40 45

Arg Arg Asn Ser Phe Asp Glu Gln Asn Glu Ile Ser Gly Arg Tyr Ser
 50 55 60

Trp Asn Phe Gln Lys Ser Thr Ser Ser Phe Asn Phe Thr Ile Thr Ala
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Ala Ser Lys

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 20 25 30

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Leu Gly Leu Leu Phe Leu Gly Leu Gly Leu Phe Ile Tyr Phe Arg
20 25 30

[illegible]

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-----CIVICA TUTTIGATO C 1742

6

Figure 6B

+230 ile thr phe asp leu lys asn lys glu val ser val lys arg val thr gln asp pro lys leu gln met gly lys lys leu pro leu his
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 +260 leu thr leu pro gln ala leu pro gln tyr ala gly ser gly asn leu thr leu ala leu glu ala lys thr gly lys leu his gln glu
 CTC ACC CTG CCG CAG GGC CTG OCT TTG OCT CAG TAT GCT GGC TCT TCT GGA AAC CAC CTT GAA GCG AAA ACA GGA AAG TTG CAT CAG GAA 1008
 +270 +280
 +290 val asn leu val val met arg ala thr gln leu gln leu thr cys glu val trp gly pro thr ser pro lys leu met leu ser
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 +320 leu lys leu glu asn lys glu ala lys val ser lys arg glu lys ala val trp val leu asn pro glu ala gly met trp gln cys leu
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 CTG AGT GAC TOG GGA CAG GTC CTG CTG GAA TOC AAC ATC AAG GTT CTG CCG ACA TGG TOC AOC CCG GTG CAG CCA ATG GGC CTG ATT GTG 1278
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